

# **Federal Aviation Administration's Air Traffic Organization's Unified Contracting System (UCS) Integration Services Size & Complexity Document**

## **Summary**

The FAA's procurement system is based largely on manual processes and record keeping and paper-based documents; there is no fully integrated and automated tool for effectively supporting the volume and complexity of upcoming FAA procurements, particularly for NextGen and continuing NAS sustainment.

The UCS Specifications Document gives a detailed picture of the functionality required for UCS; however, a high level description of required UCS functionality is shown below:

<b>Data validation</b>	Validation of all data as part of the workflow process.
<b>Guided help and search capability</b>	Context sensitive help, support and guidance through the use of wizards, guided help and template libraries
<b>Centralized user interface and security</b>	Secure interface for procurement actions.
<b>System performance and availability</b>	System performs at specified thresholds and is available for users to process procurement actions.
<b>Interface with the FAA's financial management system</b>	Interface with the FAA's financial management system to allow for sending and receiving of procurement data.
<b>Routing capability - Business process automation</b>	Routing of procurement actions as part of the automated workflow process.
<b>Information sharing – internal and external</b>	Internal and external sharing of procurement information based on the user's roles.
<b>Integration with FAA's document management system</b>	Online electronic searchable repository of procurement documents.
<b>Reporting capability</b>	Standardized and ad hoc reporting

UCS represents the FAA's end-to-end contracting system and is comprised of several major components:

1. Procurement processes automated using the FAA's enterprise BPMS, Progress/Savvion BPMS software
2. Dashboards, metrics, reporting
3. Automated document creation using templates and forms; data management for these aspects
4. Document management
5. Integration with internal and external systems that support the procurement process
6. Integration with the FAA's financial system

UCS will support FAA's procurement processes by providing an integrated, AMS-based system that utilizes automated workflow processes, functions, and standards as provided by the FAA's enterprise

BPMS. UCS will support FAA contracting officers, procurement analysts, and vendors approved for use of UCS for responding to all forms of Screening Information Requests (SIRs) (requests for information, requests for proposal, etc.). In the completion of all tasks within this statement of work, the contractor must work collaboratively with the UCS PMO, FAA stakeholders, various vendor team(s) and other groups as directed by the FAA COTR.

UCS will support the following sets of users:

1. Up to 500 core users, including contracting officers and contracts specialists. Core users are those who will use UCS as one of their primary business tools.
2. In excess of 15,000 occasional FAA users. Occasional users are those such as Contracting Officers Technical Representatives (COTRS) and others who will use UCS as an auxiliary business tool.
3. In excess of 10,000 external users. External users are current FAA contractors or potential FAA contractors with a requirement to respond to all forms of FAA screening information requests (SIRs).

### **Key Points**

- Integrated and Efficient Procurement Process
- Centralized Document Repository
- Secure Access
- Enhanced Reporting
- Vendor Integration
- Regulatory Compliance
- Timely Accurate Data
- Customer and User Satisfaction.

### **Contract Size**

The overall value of the UCS contract is estimated to be between \$7M to \$10M with a life span of 5 years.

### **Applications**

The contractor will be required to support the following applications and associated services:

### **Unified Contracting System (UCS)**

The FAA commenced a UCS Pilot in September 2010 as the first phase of developing UCS. The UCS Pilot encompasses the first level of procurement process automation as well as the initial integration with Lotus Notes email, Sharepoint MOSS, and Microsoft Active Directory. The SOW outlines the Contractor services necessary to build upon the results from the UCS Pilot to fully complete all aspects of the UCS--building upon the deliverables provided in the UCS Pilot, extending the Pilot system to be fully functional, and integrating with the necessary support systems and the FAA's financial system. The SOW also addresses training and support requirements for UCS.

The following outputs from the UCS Pilot will be provided to the Contractor as a foundation for completing the tasks within the SOW as a basis for continuing the UCS initiative:

1. The Progress/Savvion Business Process Management Software will be installed and configured in three environments—Development, Testing, and Production. The environments will be integrated with Active Directory, SharePoint MOSS, and Lotus Notes Email.
2. The FAA's procurement processes will be mapped within the Progress/Savvion Business Process Management Software and initial automation of the processes will be complete. The initial automation will provide an FAA-approved procurement process structure that incorporates rule-based automated routing functionality.
3. The FAA's procurement processes will have been analyzed and the process architecture representing the TO-BE Procurement Process as a single governing process will be established within the Progress/Savvion Business Process Management Software.
4. An initial user interface and executive dashboards will be developed.

The FAA will provide these deliverables as a foundation for the Contractor's efforts under the UCS SOW. The process architecture, user interface, dashboards, and automated processes provided to the

Contractor will have been reviewed and approved by the FAA prior to commencement of the Contractor's efforts. The Contractor must adopt these deliverables as the starting point for their efforts.

### **User Base**

UCS will be universally accessible via web access, subject to user access rights and login authentication. UCS will have an initial capacity of user accounts of up to 10,000 FAA employees (with an expansion capability to 20,000) and up to 5,000 concurrent users with the ability to accommodate 10,000 concurrent users pursuant to FAA request. The servers will be physically located at FAA-approved locations.

### **Environment**

Please refer to FAA TRM V7.4 and ATO IT TRM v2.8 for environment standards.

### **UCS Interfaces**

#### **PRISM**

The FAA currently uses CompuSearch PRISM 6.0 (Purchase Request Information System) to accomplish several steps in the procurement process, specifically the creation of purchase requests and to record funds obligations and commitments. The FAA is scheduled to upgrade to PRISM 6.5 in January 2011. There are currently no plans for additional upgrades to the PRISM system subsequent to the 6.5 upgrade in January 2011.

#### **CCR**

Central Contractor Registration (CCR) is the primary registrant database for the U.S. Federal Government. CCR collects, validates, stores and disseminates data about contractors. UCS may need to interface with the CCR to validate or confirm the Data Universal Numbering System (DUNS). The DUNS number is a unique nine-digit identification number provided by the commercial company D&B. Refer <https://www.bpn.gov/ccr/default.aspx> for more information

#### **EPLS**

The Excluded Parties Listing System (EPLS) is a public accessed web based system that disseminates information on parties that are excluded from receiving Federal contracts, or certain subcontracts. The information on this system includes names, addresses, DUNS numbers, Social Security Numbers, Employer Identification Numbers or other Taxpayer Identification Numbers, if available and deemed appropriate and permissible to publish by the agency taking the action. EPLS has the ability to produce the search results in XML, ASCII, and Excel format. Refer <https://www.epls.gov/> for more information.

#### **FBO**

FedBizOpps (FBO) is a single point of entry for Federal buyers to publish and for vendors to find posted Federal business opportunities across departments and agencies. This is accomplished with a data exchange interface between FBO and each buyer agency's electronic procurement system. Refer <https://www.fbo.gov/> for more information.

#### **FPDS-NG**

Executive departments and agencies are responsible for collecting and reporting award data to FPDS-NG. The Federal Government uses the reported data to measure and assess the impact of Federal procurement on the nation's economy. Refer <https://www.fpds.gov> for more information.

#### **PPIRS**

The Federal Past Performance Information Retrieval System (PPIRS) is the authoritative source for contractor performance information generated by DoD and Federal agencies. Through its two modules, PPIRS provides a view into contractor performance under both large and small dollar value contracts. Refer <https://www.ppirs.gov/> for more information

## **Financial System**

Oracle Federal Financials 11i system is FAA's current financial management system. FAA is preparing to transition from Oracle Federal Financials/Oracle 11i to Oracle 12i Federal Financials by EOY FY15.

## **Document Management System**

Microsoft SharePoint Server 2007 is the document management tool currently utilized by the FAA. The tool is accessible via the web and provides a central storage and collaboration space for documents, information, and ideas. Microsoft SharePoint Server 2007 allows teams to effectively communicate, share information and documentation.

The Contractor must evaluate Microsoft SharePoint Server 2007, Documentum, and Alfresco (Community version) open architecture document management plus one system of the Contractor's choosing to determine the optimal document management solution for UCS. Based on the Contractor's analysis, the FAA will select the document management system for that the Contractor will implement.

## **Other Possible Interfaces or Future Applications**

ConWrite  
SOW Generator  
Inventory Tracking System  
Personal Property In-Use Management System (PPIMS)  
Logistics and Inventory Tracking System (LIS)  
Electronic Subcontracting Reporting System (eSRS)  
Real Estate Management System (REMS)  
Equal Employment Opportunity (EEO)  
Wage Determinations On-Line (WDOL)  
GSA Advantage